

ABSTRACT OF THE DISCLOSURE

A driving method for a solid-state image sensing device having a plurality of sensor portions being disposed two-dimensionally in a horizontal and a vertical directions, and a vertical charge transfer portion being disposed between said plurality of sensor portions and being provided with transfer electrodes of a plurality of systems disposed along its disposed direction, including the steps of; selectively applying high level driving pulses to the transfer electrodes of said plurality of systems in respective sectional periods in a vertical transfer period, and transferring the signal charges read out from said plurality of sensor portions in the vertical direction, wherein a sectional period in a vertical transfer period, in which the number of systems of the transfer electrodes to be applied with high level driving pulses becomes minimum is set longer than that of the other sectional periods. It is thus made possible to increase the handling charge quantity in the vertical charge transfer portion without changing time for transfer in the vertical transfer period.